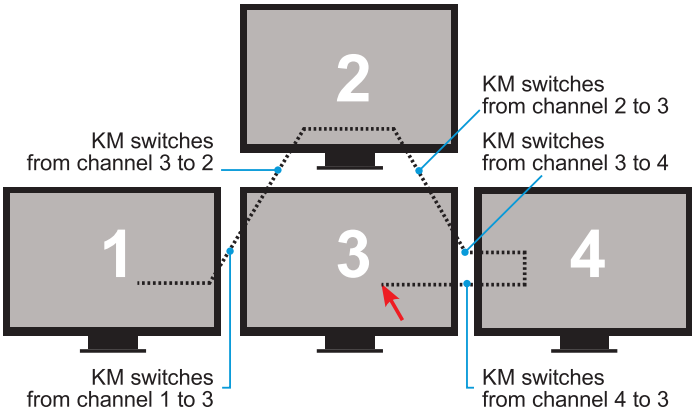
belkin • Your Essential Connection

BELKIN KM SWITCH

Security. Convenience. Control.


2
KM switches from channel 2 to 3
KM switches from channel 3 to 2
KM switches from channel 3 to 4
1
3
4
KM switches from channel 1 to 3
KM switches from channel 4 to 3

The Belkin Advanced Secure KM Switch makes it possible to use multiple secure systems on separate displays simultaneously with a single mouse and keyboard.

Seamless cursor and keyboard switching allows the user to change automatically from one highly isolated computer system to another as the mouse cursor crosses display borders, without having to push any buttons. Every system remains visible on its own display, continuously and simultaneously, while the Belkin Advanced Secure KM Switch keeps them isolated and secure.

The Belkin Advanced Secure KM Switch is ideal for data-intensive applications where information from multiple secure sources must be viewed and compared on multiple displays in real time. Analysts and operators in defense and intelligence, banking and trading, or complex command and control environments will benefit immediately and immensely from seamless switching with cursor movement.

Key Features and Benefits

- **Seamless Cursor Switching (SCS):** SCS allows the Belkin Advanced Secure KM Switch to transition automatically between highly isolated computers when the mouse cursor crosses the display border. Audio and keyboard will “follow” the mouse from one computer to the next as the cursor moves from screen to screen.
- **True data path isolation:** Prevent data breach with true data path isolation—purposefully engineered using a single, un-buffered, dedicated processor for each peripheral port.
- **Lag-free, real-time switching:** Hardware-based solution eliminates keyboard and mouse delay when switching between ports, offering a fluid and uninterrupted user experience.
- **Peripherals protection:** Eliminate data leaks with hardware-controlled unidirectional data flow that allows primary input devices, such as keyboards and mice, to communicate in only one direction, keeping these devices from receiving any data back from the computer.
- **Multi-monitor flexibility:** Predefined configurations along with an easy-to-use configuration tool let you configure almost any desired physical display setup, with single, dual, or quad displays connected to each PC.
- **Multiple operating systems:** Windows, Linux, and Mac OS are all supported with no need for any software installation (a driver is required when multiple displays are connected to a single PC).
- **Secure compliance:** Complies with Common Criteria EAL4+, Peripheral Protection Profile v.2.1 (certification pending).
- **8-port capability:** In addition to the standard 4-port model (F1DN104K), an 8-port model (F1DN108K) is also available.

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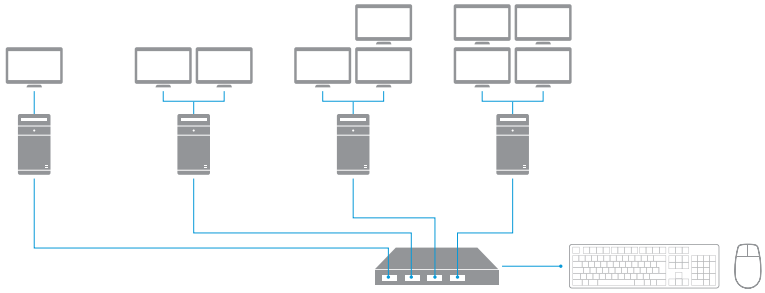

PART NUMBER	F1DN104K	F1DN108K
No. of computers supported	4	8
No. of monitors supported	16	32
CAC support	No	No
Dimensions	12.5 (w) x 1.7 (h) x 6.4 (l) in.	17.5 (w) x 1.7 (h) x 7.95 (l) in.
Weight	3.65 lbs.	9.95 lbs.
Enclosure	Aluminum	SPCC metal
Keyboard/mouse connection	USB\PS2	USB\PS2
Keyboard/mouse ports	4 USB Type B (for computer ports) 2 USB Type A (for console ports) 2 PS/2 (for console ports)	8 USB Type B (for computer ports) 2 USB Type A (for console ports) 2 PS/2 (for console ports)
Audio jack	4 x 3.5 mm (for computer ports) 1 x 3.5 mm (for console ports)	8 x 3.5 mm (for computer ports) 1 x 3.5 mm (for console ports)
Selector push buttons	4	8
LED indicators	4	8
Power type	External	Internal
Power requirements	12V DC, 1.5A (IEC Compatible)	100–240V AC, 0.9A max, 50/60 Hz
Operating temperature	32° to 104°F (0° to 40°C)	32° to 104°F (0° to 40°C)
Storage temperature	–4° to 140°F (–20° to 60°C)	–4° to 140°F (–20° to 60°C)
Operating humidity	–20 to 80%	–20 to 80%
Warranty	3 years	3 years

Security Features

- **Dedicated processors with emulators for every port:** Isolated port paths for keyboard and mouse prevent data leaks between computers.
- **Unidirectional data paths:** Optical data diodes prevent peripherals from being used to breach systems.
- **Peripheral management:** USB device detection prevents unauthorized peripheral usage.
- **Anti-tampering:** Internal electrical sensors render the unit inoperable if opened.
- **Uni-body chassis:** Single-piece housing minimizes entry points and prevents physical tampering.
- **Secure labeling:** A holographic tamper-evident product label provides visual indication and prevention of tampering.
- **Secure packaging:** Tamper-evident packaging ensures product is not tampered with during transport.
- **Reliable connections:** High-retention USB connectors prevent accidental disconnection.
- **Easy mounting:** An integrated mounting track allows under-desk or side-wall mounting (for the 4-port model) as well as rack-mounting (for the 8-port model), creating extra desk space for the user.

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